



Nautel Software Bulletin

June 2, 2011

Nautel VS Series V2.0.4 Release Notes

On June 2, 2011 Nautel released version 2.0.4

This software improves the overall reliability of the transmitter for VSHD based systems (systems operating in IBOC Mode). Nautel strongly recommends this software update be done ASAP.

The most significant improvements with this version include:

- A power foldback protection function vs VSWR to ensure stable operation when operating with VSHD.
- Enables unlicensed use of Asymmetrical Sidebands with the use of a Preset naming convention; NPB_LSB-Inj_USB-Inj (e.g. NPB -10dB -14dB). Positive or negative numbers are excepted; underscores can be replaced with spaces.
- Corrected the MPX Power Limiter function; whereby the range is now adjustable from -12 to +12 dBr, 0 dBr now corresponds to 19 kHz of peak deviation.
- Enables the user to view and adjust the HD PA Volts setting in the Preset menu of the UI and AUI for FM (Analog) mode.
- Incorporated a high exciter forward power limit of 30W when used with a VS300 operating in IBOC mode with VSHD, in order to add a safe guard for the in-line 8dB attenuator.
- Changed the default bias DAC values for VS300 and VS1 to more suitable values.
- Updated the VSHD Preset Setpoint Power Limits to agree with verification/validation test results.

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Recipients of Nautel bulletins will receive information on software updates, product notices and other information affecting users of Nautel equipment.

Nautel Customer Service

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Follow the link below for the latest files. Files may be safely transferred using flash drives or “copy and paste”.

[VS Series Software V2.0.4](#)

For record keeping purposes please notify customer service via email when software update is complete.